



Product Information

100 bp+3K DNA Ladder,

Ready to Use

BYDL100	56 µg / 500 µl
Size:	500 µl
	5 µl per well for 100 gel applications

Storage

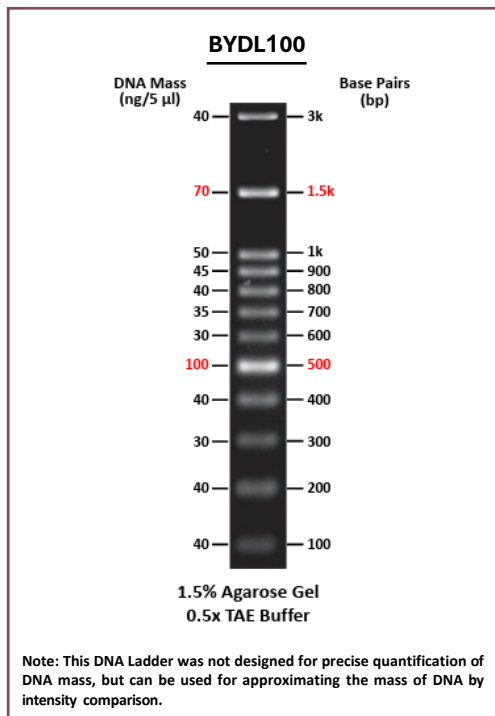
Room temperature for 6 months
4°C for 12 months
-20°C for 36 months

Recommended loading volume

5 µl/ well

Specification

- Size Range : 100 ~ 3,000 bp
- Band Number : 12
- Tracking Dye : Orange G, Xylene cyanol FF
- Enhanced Band : 1.5 kb and 500 bp



Product Information

100 bp+3K DNA Ladder,

Ready to Use

BYDL100	56 µg / 500 µl
Size:	500 µl
	5 µl per well for 100 gel applications

Storage

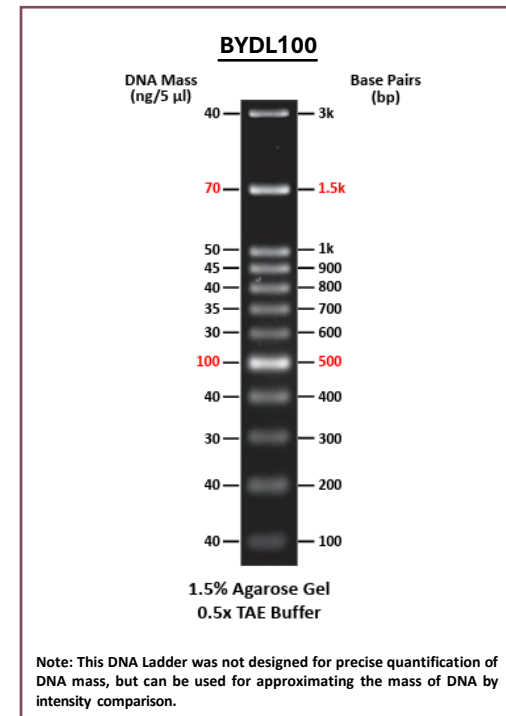
Room temperature for 6 months
4°C for 12 months
-20°C for 36 months

Recommended loading volume

5 µl/ well

Specification

- Size Range : 100 ~ 3,000 bp
- Band Number : 12
- Tracking Dye : Orange G, Xylene cyanol FF
- Enhanced Band : 1.5 kb and 500 bp



Description

The BYDL100 100 bp+3K™ DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA Ladder BYDL 100 is composed of 12 individual DNA fragments: 3 k, **1.5k**, 1k, 900, 800, 700, 600, **500**, 400, 300, 200 and 100 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (1.5 kb and 500 bp) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Orange G which mimic the migration of 4,000 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring.

Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10mM EDTA

Buffering

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.025% Orange G, 0.005% Xylene cyanol FF and 10% Glycerol.

Quality Control

1. 12 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.

Other information

BYLABS claims all warranties with respect to this document, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. In no event shall BYLABS be liable, whether in contract, tort, warranty, or under any statute or any other basis for special, incidental, indirect, punitive, multiple or consequential damages in connection with or arising from this document, including but not limited to the use thereof.

Caution

Not intended for human or animal diagnostic or therapeutic uses.

Description

The BYDL100 100 bp+3K™ DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA Ladder BYDL 100 is composed of 12 individual DNA fragments: 3 k, **1.5k**, 1k, 900, 800, 700, 600, **500**, 400, 300, 200 and 100 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (1.5 kb and 500 bp) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Orange G which mimic the migration of 4,000 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring.

Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10mM EDTA

Buffering

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.025% Orange G, 0.005% Xylene cyanol FF and 10% Glycerol.

Quality Control

1. 12 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.

Other information

BYLABS claims all warranties with respect to this document, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. In no event shall BYLABS be liable, whether in contract, tort, warranty, or under any statute or any other basis for special, incidental, indirect, punitive, multiple or consequential damages in connection with or arising from this document, including but not limited to the use thereof.

Caution

Not intended for human or animal diagnostic or therapeutic uses.